

L Number	Hits	Search Text	DB	Time stamp
1	1368	(403/348,349,350,351).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/24 15:25
2	202	((403/348,349,350,351).CCLS.) and sleeve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/24 14:24
3	4	("2934937" "2448548" "3146481" "3090066").PN.	USPAT	2004/06/24 13:32
4	16	3798701.URPN.	USPAT	2004/06/24 13:33
5	3	("2839594" "3322416" "3555489").PN.	USPAT	2004/06/24 13:42
6	14	4614443.URPN.	USPAT	2004/06/24 13:42
7	17	("0402132" "0867162" "0931327" "1130726" "1333436" "2032196" "2833548" "2852286" "2901258" "2915762" "3736011" "3854832" "3858910" "4006996" "4269422" "4274774" "4486918").PN.	USPAT	2004/06/24 13:43
8	10	4661009.URPN.	USPAT	2004/06/24 13:45
9	14	("1171380" "2601088" "2793902" "2820655" "3412725" "3423781" "3524441" "4518162" "4661009" "5038510" "5052849" "5094464" "5178122" "5388563").PN.	USPAT	2004/06/24 13:50
10	12	5513622.URPN.	USPAT	2004/06/24 13:51
11	8	("0802303" "1368889" "1968380" "2511416" "3010730" "4174113" "4545440" "5170560").PN.	USPAT	2004/06/24 13:52
12	22	((403/348,349,350,351).CCLS.) and ((turn or rotate) with ("180" or degrees))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/24 14:25
196	9	("0253929" "0576756" "4162132" "4476939" "4565398" "4901801" "5103520" "5185992" "5507051").PN.	USPAT	2004/06/24 14:38
197	2	5816633.URPN.	USPAT	2004/06/24 14:39
259	14	("0268301" "0645977" "1211865" "1229843" "1262482" "1332898" "1475257" "2487696" "2672924" "2682414" "2808278" "2840382" "2974965" "3004362").PN.	USPAT	2004/06/24 14:56
260	12	4162132.URPN.	USPAT	2004/06/24 14:57
261	5	867162.URPN.	USPAT	2004/06/24 15:00
262	14	931327.URPN.	USPAT	2004/06/24 15:01
263	9	1171380.URPN.	USPAT	2004/06/24 15:04
264	11	2895757.URPN.	USPAT	2004/06/24 15:05
265	1	3555489.URPN.	USPAT	2004/06/24 15:07
266	6	("1128634" "3301338" "2500276" "2165163" "3153547" "3190377").PN.	USPAT	2004/06/24 15:08
267	7	3664444.URPN.	USPAT	2004/06/24 15:08
268	3	("1645802" "2299357" "2901258").PN.	USPAT	2004/06/24 15:09
269	9	3854832.URPN.	USPAT	2004/06/24 15:09

272	2	("0867162" "3666058").PN.	USPAT	2004/06/24 15:10
273	7	4076105.URPN.	USPAT	2004/06/24 15:10
275	24	4518162.URPN.	USPAT	2004/06/24 15:11
284	6	("0430420" "2079460" "2157153" "2198905" "3798701" "3854832").PN.	USPAT	2004/06/24 15:13
285	1	4810126.URPN.	USPAT	2004/06/24 15:13
288	9	("0213976" "1133189" "1194793" "1696462" "2212345" "3423781" "3945642" "4518162" "4645211").PN.	USPAT	2004/06/24 15:13
289	7	5094464.URPN.	USPAT	2004/06/24 15:14
294	10	("1062850" "1119147" "1845143" "2324614" "2992026" "3183886" "3515418" "4076437" "4811983" "4918896").PN.	USPAT	2004/06/24 15:14
295	4	5572835.URPN.	USPAT	2004/06/24 15:15
301	4	("2901258" "4943182" "4986690" "5407293").PN.	USPAT	2004/06/24 15:15
302	6	6126359.URPN.	USPAT	2004/06/24 15:15
303	13	("1713513" "2834199" "2934937" "3090066" "3146481" "3162881" "3798701" "4335485" "4520527" "4856932" "4892437" "5487259" "6052857").PN.	USPAT	2004/06/24 15:16
304	2	6227750.URPN.	USPAT	2004/06/24 15:17
305	10	("4538967" "4756638" "4888456" "5144860" "5672855" "5733134" "5773776" "5872343" "5884936" "6260431").PN.	USPAT	2004/06/24 15:17
306	0	6447197.URPN.	USPAT	2004/06/24 15:17
307	11	("2049290" "2739850" "2989329" "3679065" "3878314" "4589622" "4663900" "4666331" "5557892" "5975792" "6247991").PN.	USPAT	2004/06/24 15:18
308	0	6494636.URPN.	USPAT	2004/06/24 15:18
309	11	2895757.URPN.	USPAT	2004/06/24 15:22
321	17	((403/348,349,350,351).CCLS.) and "180 degrees"	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT	2004/06/24 15:26
322	13	("1713513" "2834199" "2934937" "3090066" "3146481" "3162881" "3798701" "4335485" "4520527" "4856932" "4892437" "5487259" "6052857").PN.	USPAT	2004/06/24 15:42
323	2	6227750.URPN.	USPAT	2004/06/24 15:43
324	5	((403/348,349,350,351).CCLS.) and ((turn or rotate) with "180")	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT	2004/06/24 15:56
-	6	((("6311465") or ("6367236") or ("6502381")).PN. or ((2002/0129594) or (2003/0079460)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT	2004/06/08 08:21
-	0	2002/0129594 2003/0079460	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 12:10

-	4	"20020129594" "20030079460"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 12:12
-	35	((("2902815") or ("3643410") or ("2908131") or ("3833250") or ("4174003") or ("4292794") or ("4514970") or ("4730864") or ("4821500") or ("4866922") or ("5182899") or ("5343684") or ("5452570") or ("5511370") or ("5706640") or ("5918920") or ("6120073") or ("6151878"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/07 12:12
-	147	(56/400.04).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/08 08:24
-	3	736878.URPN.	USPAT	2004/06/08 08:32
-	1	764401.URPN.	USPAT	2004/06/08 08:37
-	9	2902815.URPN.	USPAT	2004/06/08 08:37
-	14	2908131.URPN.	USPAT	2004/06/08 08:38
-	3	("1588927" "2908131" "3350866").PN.	USPAT	2004/06/08 08:41
-	6	3643410.URPN.	USPAT	2004/06/08 08:41
-	3	("2908131" "3105348" "3350866").PN.	USPAT	2004/06/08 08:42
-	17	3688484.URPN.	USPAT	2004/06/08 08:42
-	9	("0088820" "1654958" "1895214" "1906218" "2189713" "2652279" "3164945" "3672716" "3692347").PN.	USPAT	2004/06/08 08:43
-	4	3833250.URPN.	USPAT	2004/06/08 08:45
-	7	("0659518" "1222711" "1588927" "2908131" "3095682" "3643410" "3688484").PN.	USPAT	2004/06/08 08:45
-	15	4037397.URPN.	USPAT	2004/06/08 08:46
-	3	("0838100" "0938001" "1800103").PN.	USPAT	2004/06/08 08:47
-	5	4174003.URPN.	USPAT	2004/06/08 08:47
-	6	("1751481" "2486395" "3258903" "3601966" "3727389" "4037397").PN.	USPAT	2004/06/08 08:47
-	18	4292794.URPN.	USPAT	2004/06/08 08:48
-	9	("1588927" "2902815" "2908131" "3221485" "3688484" "3833250" "4057277" "4185443" "4292794").PN.	USPAT	2004/06/08 08:58
-	1	4514970.URPN.	USPAT	2004/06/08 08:59
-	9	("0966197" "1160282" "1939475" "2546113" "3105348" "3809421" "4037397" "4185448" "4477114").PN.	USPAT	2004/06/08 08:59
-	3	4730864.URPN.	USPAT	2004/06/08 09:00
-	10	("D251583" "0524215" "1352386" "2045394" "2052885" "2597954" "3095682" "3299545" "4477972" "4644740").PN.	USPAT	2004/06/08 09:00
-	12	4791780.URPN.	USPAT	2004/06/08 09:00
-	10	("0220420" "0736878" "1014250" "1591738" "1768080" "2065830" "2164233" "2463393" "3374614" "4516393").PN.	USPAT	2004/06/08 09:02

-	6	4821500.URPN.	USPAT	2004/06/08 09:03
-	4	("2180544" "2546113" "2652279" "4477114").PN.	USPAT	2004/06/08 09:03
-	15	4866922.URPN.	USPAT	2004/06/08 09:03
-	8	("2821834" "2941827" "3701243" "3719378" "4068346" "4514970" "4843667" "4848073").PN.	USPAT	2004/06/08 09:04
-	6	5168693.URPN.	USPAT	2004/06/08 09:04
-	34	("D351768" "0367578" "1867226" "2230703" "2511160" "2950134" "3484736" "3569903" "3759020" "3803819" "3858383" "3879573" "3886716" "4018037" "4136446" "4156312" "4156967" "4211004" "4364435" "4391545" "4397088" "4505040" "4516289" "4567657" "4761939" "4791826" "4819742" "4829675" "4852258" "4860451" "4904827" "4976031" "5168693" "5379846").PN.	USPAT	2004/06/08 09:05
-	6	("2666288" "2847816" "3403500" "3668849" "4667461" "4682464").PN.	USPAT	2004/06/08 09:05
-	5	5182899.URPN.	USPAT	2004/06/08 09:05
-	6	("0684406" "1165636" "1826038" "3921725" "4162132" "4214538").PN.	USPAT	2004/06/08 09:06
-	13	5185992.URPN.	USPAT	2004/06/08 09:06
-	2	1654958.URPN.	USPAT	2004/06/10 10:28
-	26	("0157439" "1126273" "1131553" "1136770" "1137825" "1159970" "1715613" "2010325" "2099053" "2114518" "2140911" "2713763" "2797544" "3264810" "3367093" "3397469" "3884023" "4203495" "4292794" "4476939" "4606089" "4667461" "4776158" "4850185" "4866922" "5185992").PN.	USPAT	2004/06/10 10:29
-	5	5343684.URPN.	USPAT	2004/06/10 10:31
-	2	("1414087" "3206921").PN.	USPAT	2004/06/10 10:31
-	7	("0531722" "3332223" "4150528" "4667458" "5099638" "5177946" "5249413").PN.	USPAT	2004/06/10 10:31
-	0	5511370.URPN.	USPAT	2004/06/10 10:32
-	14	("0125480" "1277998" "2504943" "2908131" "3350886" "3688484" "4037394" "4057277" "4378671" "4427227" "4741149" "4791780" "4991386" "5144199").PN.	USPAT	2004/06/10 10:32
-	8	5564267.URPN.	USPAT	2004/06/10 10:33
-	4	("2180544" "4378670" "4866922" "5169191").PN.	USPAT	2004/06/10 10:35
-	1	5706640.URPN.	USPAT	2004/06/10 10:35
-	14	("0828646" "1160282" "1715613" "2136849" "2504943" "2746234" "2891374" "2942401" "3105348" "3264809" "4018038" "4185448" "4378671" "4545189").PN.	USPAT	2004/06/10 10:35
-	3	5765351.URPN.	USPAT	2004/06/10 10:36

-	9	("0253929" "0576756" "4162132" "4476939" "4565398" "4901801" "5103520" "5185992" "5507051").PN.	USPAT	2004/06/10 10:36
-	2	5816633.URPN.	USPAT	2004/06/10 10:37
-	5	("2606050" "3243165" "4661009" "4768258" "5185992").PN.	USPAT	2004/06/10 10:38
-	3	5915482.URPN.	USPAT	2004/06/10 10:38
-	8	("0758071" "1504913" "1578532" "2884278" "3105348" "3987609" "4741149" "5727829").PN.	USPAT	2004/06/10 10:38
-	27	("D384865" "0407465" "0851987" "1005247" "2088890" "3164945" "3228716" "3269764" "3350866" "3572806" "3601966" "3604687" "3643410" "3688484" "3692347" "3749429" "3833250" "4037397" "4477114" "4991386" "5020935" "5114199" "5459988" "5564266" "5564267" "5727828" "5788608").PN.	USPAT	2004/06/10 10:39
-	0	6120073.URPN.	USPAT	2004/06/10 10:41
-	0	6120073.URPN.	USPAT	2004/06/10 10:42
-	8	("2504943" "3095682" "3601966" "4185448" "4378671" "4545189" "5303536" "5765351").PN.	USPAT	2004/06/10 10:42
-	1	6151878.URPN.	USPAT	2004/06/10 10:42
-	6	("Re33702" "2797544" "4545189" "5058370" "5414982" "5440868").PN.	USPAT	2004/06/10 10:42
-	0	6311465.URPN.	USPAT	2004/06/10 10:43
-	8	("2891374" "5303536" "5564267" "5788299" "5881545" "5901540" "5918920" "6134869").PN.	USPAT	2004/06/10 10:43
-	2	6367236.URPN.	USPAT	2004/06/10 10:44
-	30	("0599368" "0603071" "1050685" "1424291" "1715613" "2504943" "2746234" "3095682" "3105348" "3264809" "3601966" "3733636" "4018038" "4143899" "4185448" "4292794" "4378671" "4545189" "4730864" "4741149" "D296510" "4930824" "5058370" "5303536" "5513883" "5564266" "5765351" "6134869" "6151878" "6336314").PN.	USPAT	2004/06/10 10:44
-	0	6502381.URPN.	USPAT	2004/06/10 10:45
-	16	("D157592" "D157593" "D301544" "D304675" "2908131" "3164945" "3264807" "3601966" "3643410" "3688484" "4037397" "4185448" "4292794" "4545189" "4848074" "4953347").PN.	USPAT	2004/06/10 10:45
-	2	D336731.URPN.	USPAT	2004/06/10 10:46
-	3	2088890.URPN.	USPAT	2004/06/10 11:53
-	5	2797544.URPN.	USPAT	2004/06/10 11:53
-	10	("1588927" "2745181" "3601966" "3643410" "3688484" "4037397" "4185448" "4688961" "4991386" "5058370").PN.	USPAT	2004/06/10 12:00
-	3	5459988.URPN.	USPAT	2004/06/10 12:00
-	5	("2832443" "2945713" "3521332" "3776092" "4115966").PN.	USPAT	2004/06/10 12:48

-	23	4688961.URPN.	USPAT	2004/06/10 12:48
-	13	("1588927" "2316168" "2497192" "2504943" "2836032" "3164945" "3350866" "3643410" "3688484" "4057277" "4545189" "4991386" "5459988").PN.	USPAT	2004/06/10 12:49
-	3	5564266.URPN.	USPAT	2004/06/10 12:50
-	686	(403/188,389).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/10 13:15
-	0	249066.URPN.	USPAT	2004/06/10 13:56
-	0	249066.URPN.	USPAT	2004/06/10 13:56
-	7	1982501.URPN.	USPAT	2004/06/10 13:57
-	5	2370748.URPN.	USPAT	2004/06/10 13:57
-	0	("handleandconnectand(sleeveandrotate)").PN	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/11 20:10
-	0	(sleeve and rotate) and (connector or connection or connect) and (403/\$.ccls or 23/\$.ccls.) and rake	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/11 20:10
-	84	(sleeve and rotate) and (connector or connection or connect) and (403/\$.ccls or 24/\$.ccls.) and handle	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/11 20:12
-	0	(sleeve and rotate) and (connector or connection or connect) and (403/\$.ccls or 24/\$.ccls.) and rake	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/11 20:12
-	3	(sleeve and rotate) and (connector or connection or connect) and (403/\$.ccls or 23/\$.ccls.) and handle	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/11 20:12
-	3	2088890.URPN.	USPAT	2004/06/11 20:14
-	9	("1588927" "2902815" "2908131" "3221485" "3688484" "3833250" "4057277" "4185443" "4292794").PN.	USPAT	2004/06/11 20:15
-	1	4514970.URPN.	USPAT	2004/06/11 20:15
-	5	("2832443" "2945713" "3521332" "3776092" "4115966").PN.	USPAT	2004/06/11 20:16
-	23	4688961.URPN.	USPAT	2004/06/11 20:17
-	16	("D157592" "D157593" "D301544" "D304675" "2908131" "3164945" "3264807" "3601966" "3643410" "3688484" "4037397" "4185448" "4292794" "4545189" "4848074" "4953347").PN.	USPAT	2004/06/11 20:21
-	2	D336731.URPN.	USPAT	2004/06/11 20:22
-	8	2945713.URPN.	USPAT	2004/06/11 20:23
-	1687	tongs and connector	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/12 17:10
-	381	tongs and connector and sleeve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/12 17:10

-	7	("0434295" "1178044" "1964897" "2533947" "2969570" "3367701" "3697104").PN.	USPAT	2004/06/12 17:17
-	4	4314724.URPN.	USPAT	2004/06/12 17:17
-	11	("D076013" "1323619" "3014277" "3186749" "3742602" "4314724" "4721334" "4787663" "5054835" "5206998" "5479708").PN.	USPAT	2004/06/12 17:18
-	1	5791053.URPN.	USPAT	2004/06/12 17:18
-	651	(56/400.07,400.12,400.11,400.16,dig.18).CC	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/21 14:19
-	1	1055224.URPN.	USPAT	2004/06/21 14:33
-	4	1263249.URPN.	USPAT	2004/06/21 14:35
-	12	1588927.URPN.	USPAT	2004/06/21 14:37
-	12	1588927.URPN.	USPAT	2004/06/21 14:37
-	12	1588927.URPN.	USPAT	2004/06/21 14:40
-	10	2891374.URPN.	USPAT	2004/06/21 15:48
-	10	3164945.URPN.	USPAT	2004/06/21 15:49
-	11	3350866.URPN.	USPAT	2004/06/21 15:50
-	21	3601966.URPN.	USPAT	2004/06/21 15:51
-	2	("0700192" "1588927").PN.	USPAT	2004/06/21 15:52
-	8	4057277.URPN.	USPAT	2004/06/21 15:52
-	5	("2136849" "2891374" "3643410" "4018038" "4037397").PN.	USPAT	2004/06/21 15:54
-	14	4185448.URPN.	USPAT	2004/06/21 15:54
-	7	("0434295" "1178044" "1964897" "2533947" "2969570" "3367701" "3697104").PN.	USPAT	2004/06/21 15:55
-	4	4314724.URPN.	USPAT	2004/06/21 15:55
-	2	("3601966" "4292794").PN.	USPAT	2004/06/21 15:55
-	17	4378671.URPN.	USPAT	2004/06/21 15:55
-	13	("1055224" "1160282" "1682795" "1939475" "2136849" "2509943" "2746234" "2891374" "3105348" "3601966" "3716263" "4018038" "4378671").PN.	USPAT	2004/06/21 15:56
-	6	("0201787" "0431433" "0659518" "2503998" "2908131" "4042270").PN.	USPAT	2004/06/21 15:57
-	6	4953347.URPN.	USPAT	2004/06/21 15:57
-	18	("0757123" "0994796" "1588927" "1761503" "1895214" "1927873" "2065830" "2644455" "2735712" "2908131" "3095682" "3264809" "3350866" "3617084" "3654754" "3688484" "3724188" "4037397").PN.	USPAT	2004/06/21 15:58
-	14	4991386.URPN.	USPAT	2004/06/21 15:59
-	5	("3164945" "4185448" "4292794" "4378671" "4667461").PN.	USPAT	2004/06/21 15:59
-	12	5303536.URPN.	USPAT	2004/06/21 16:00

-	6	("0425299" "3522697" "4357790" "4611461" "4986065" "5099637").PN.	USPAT	2004/06/21 16:00
-	1	5437146.URPN.	USPAT	2004/06/21 16:00
-	6	("2116375" "2836918" "3003149" "3380097" "4068346" "5161278").PN.	USPAT	2004/06/21 16:01
-	21	("0888229" "1588927" "1763437" "2639935" "3023971" "3041655" "3328066" "3601835" "3720409" "3743339" "3907354" "3972552" "4057276" "4114938" "4310940" "4319851" "4750883" "4848818" "4930824" "5114199" "5310381").PN.	USPAT	2004/06/21 16:02
-	8	5727580.URPN.	USPAT	2004/06/21 16:03
-	12	("0909289" "1588927" "1762486" "2217109" "2422929" "2638713" "3091197" "3221485" "3688484" "4057277" "4572566" "5114199").PN.	USPAT	2004/06/21 16:04
-	4	5727828.URPN.	USPAT	2004/06/21 16:04
-	1	5791053.URPN.	USPAT	2004/06/21 16:05
-	6	("0391078" "2315831" "3272548" "4185448" "5303536" "5564267").PN.	USPAT	2004/06/21 16:05
-	3	5881545.URPN.	USPAT	2004/06/21 16:06
-	15	("0227951" "1588927" "2368792" "3164945" "3350866" "3463244" "3617084" "3688484" "4018038" "4037397" "4189908" "4292794" "4991386" "5303536" "5564267").PN.	USPAT	2004/06/21 16:06
-	6	5901540.URPN.	USPAT	2004/06/21 16:07
-	8	("2504943" "3601966" "4018038" "4292794" "4378671" "5303536" "5765351" "5901540").PN.	USPAT	2004/06/21 16:07
-	5	6134869.URPN.	USPAT	2004/06/21 16:07
-	8	("2746234" "3601966" "4378671" "5303536" "5414982" "5440868" "5553447" "6134869").PN.	USPAT	2004/06/21 16:07
-	3	6272827.URPN.	USPAT	2004/06/21 16:08
-	7	("3601966" "4185448" "4378671" "4545189" "RE33702" "5303536" "6134869").PN.	USPAT	2004/06/21 16:08
-	3	6336314.URPN.	USPAT	2004/06/21 16:09
-	8	("2891374" "5303536" "5564267" "5788299" "5881545" "5901540" "5918920" "6134869").PN.	USPAT	2004/06/21 16:09
-	0	6619023.URPN.	USPAT	2004/06/21 16:09
-	6	("4018038" "4037397" "4292794" "5303536" "6272827" "6336314").PN.	USPAT	2004/06/21 16:09
-	0	D474948.URPN.	USPAT	2004/06/21 16:09
-	2	391078.URPN.	USPAT	2004/06/21 16:17
-	11	3350866.URPN.	USPAT	2004/06/21 16:18
-	6	("0120440" "0503176" "1160282" "3041102" "3264809" "3601966").PN.	USPAT	2004/06/21 16:18
-	11	4018038.URPN.	USPAT	2004/06/21 16:19
-	11	("0275505" "0407465" "0700192" "1761503" "1970087" "3692347" "3809421" "4042270" "4477114" "4953347" "4991386").PN.	USPAT	2004/06/21 16:19

-	9	5114199.URPN.	USPAT	2004/06/21 16:20
-	3	("4367971" "4761092" "5185992").PN.	USPAT	2004/06/21 16:20
-	3	5553447.URPN.	USPAT	2004/06/21 16:21
-	8	56/\$.ccls. and rake and handle and (tube with sleeve)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/21 17:08
-	7	("0146727" "2821834" "2827318" "3000656" "3476413" "3701243" "3767233").PN.	USPAT	2004/06/21 17:02
-	21	3000656.URPN.	USPAT	2004/06/21 17:03
-	26	4068346.URPN.	USPAT	2004/06/21 17:04
-	11	("1538309" "2110538" "2564472" "2821834" "3124399" "3210111" "3390516" "3466048" "3584739" "4535989" "4934550").PN.	USPAT	2004/06/21 17:06
-	4	5042812.URPN.	USPAT	2004/06/21 17:10
-	60	56/\$.ccls. and connect\$ and handle and (tube with sleeve)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/21 17:11
-	2599	(connector or connection or joint) and ((tube with sleeve) same (pivot or rotate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/21 17:12
-	35	(connector or connection or joint) and ((tube with sleeve) same (pivot or rotate)) and rake	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/21 17:14
-	61	(connector or connection or joint) and ((tube with sleeve) same (pivot or rotate)) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/21 17:15
-	72	(connector or connection or joint) and ((tube with sleeve) same (pivot or rotate or fold\$)) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/21 17:16
-	3	("1765651" "3900220" "4003668").PN.	USPAT	2004/06/21 17:17
-	8	1765651.URPN.	USPAT	2004/06/21 17:18
-	9	4371282.URPN.	USPAT	2004/06/21 17:19
-	3	("1765651" "3900220" "4003668").PN.	USPAT	2004/06/21 17:19
-	7	("1906218" "4865064" "5178583" "5217315" "5431508" "5743208" "5803104").PN.	USPAT	2004/06/21 17:47
-	0	6711783.URPN.	USPAT	2004/06/21 17:48
-	11	1906218.URPN.	USPAT	2004/06/21 17:49
-	5	("0597947" "1056574" "1765651" "4526124" "4529331").PN.	USPAT	2004/06/21 17:51
-	5	4624374.URPN.	USPAT	2004/06/21 17:52
-	7	("1039986" "1041147" "1906218" "2895757" "3319910" "4527579" "4611945").PN.	USPAT	2004/06/21 17:52
-	6	4768303.URPN.	USPAT	2004/06/21 17:53

-	20	("0039854" "0049916" "0252008" "0595637" "1036222" "1241815" "1285120" "2264015" "2441689" "2484406" "2649104" "3489157" "3655297" "3669133" "3886962" "4184503" "4253478" "4437480" "4527579" "4642931").PN.	USPAT	2004/06/21 17:54
-	4	2441689.URPN.	USPAT	2004/06/21 17:55
-	4	4865064.URPN.	USPAT	2004/06/21 17:57
-	9	("0738554" "0895372" "1504889" "1906218" "2066182" "2762210" "4437480" "4527579" "4753259").PN.	USPAT	2004/06/21 17:58
-	13	5178583.URPN.	USPAT	2004/06/21 17:59
-	11	("1906218" "2400155" "2854261" "3655297" "3801208" "4111574" "4538393" "4611945" "4711461" "4865064" "4934025").PN.	USPAT	2004/06/21 18:01
-	19	5217315.URPN.	USPAT	2004/06/21 18:02
-	6	("0539796" "0609634" "1932436" "2441689" "2744794" "5539957").PN.	USPAT	2004/06/21 18:03
-	7	5746533.URPN.	USPAT	2004/06/21 18:03
-	19	("0286804" "0597873" "1555630" "1623672" "2171444" "2443233" "2493329" "2744275" "2802230" "3296643" "3358313" "3380767" "4082186" "4354511" "4845800" "5121520" "5548864" "5566418" "5746533").PN.	USPAT	2004/06/21 18:04
-	6	("0539796" "0609634" "1932436" "2441689" "2744794" "5539957").PN.	USPAT	2004/06/21 18:06
-	7	5746533.URPN.	USPAT	2004/06/21 18:06
-	0	5943727.URPN.	USPAT	2004/06/21 19:40
-	0	5943727.URPN.	USPAT	2004/06/21 19:40
-	1218	403/\$.ccls. and (sleeve and tube and insert\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/21 20:03
-	59	403/\$.ccls. and ((sleeve and tube and insert\$) with (joint or hinge))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/21 20:03
-	9	("2179089" "2594561" "2846241" "3168938" "3243051" "3318413" "3427056" "2575965" "2876740").PN.	USPAT	2004/06/21 20:26
-	3	3653697.URPN.	USPAT	2004/06/21 20:26
-	5	("2606050" "3243165" "4661009" "4768258" "5185992").PN.	USPAT	2004/06/21 20:40
-	6	("0684406" "1165636" "1826038" "3921725" "4162132" "4214538").PN.	USPAT	2004/06/21 20:41
-	13	5185992.URPN.	USPAT	2004/06/21 20:42
-	3	5915482.URPN.	USPAT	2004/06/21 20:43